

CREATION AND DISPLAY OF INDICES WITHIN A PROCESS PLANT

ABSTRACT

A process control system uses an asset utilization expert to collect data or
5 information pertaining to the assets of a process plant from various sources or
functional areas of the plant including, for example, the process control functional
areas, the maintenance functional areas and the business systems functional areas.
This data and information is manipulated in a coordinated manner by tools, such as
optimization and modeling tools and is redistributed to other areas or tools where it is
10 used to perform overall better or more optimal control, maintenance and business
activities. Information or data may be collected by maintenance functions pertaining
to the health, variability, performance or utilization of a device, loop, unit, etc. and
this information may then be sent to and displayed to a process operator or
maintenance person to inform that person of a current or future problem. A user
15 interface is provided that enables users to access and manipulate the expert engine to
optimize plant operation or cause optimization of plant operation, to get information
about the operation of the plant, etc. Furthermore, applications, such as work order
generation applications may automatically generate work orders, parts or supplies
orders, etc. based on events occurring within the plant.